

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L12	1	("20030185516").PN.	US-PGPUB; USPAT	OR	OFF	2006/06/05 11:02
L13	0	"385"/\$.ccls. and (align\$4) same (("RF" or radio adj2 frequenc\$4) near1 adhesiv\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/05 14:26
L14	18	"385"/\$.ccls. and ((position\$4 align\$4) near1 (memory\$3 recal\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/05 13:39
L15	71	"385"/\$.ccls. and ((position\$4 align\$4) near2 (memory\$3 recal\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/05 13:39
L16	11	"385"/\$.ccls. and ((align\$4) near2 (memory\$3 recal\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/05 13:39
L17	11	"385"/\$.ccls. and ((align\$4) near2 (memory\$3 recal\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/05 13:39
L18	63	"385"/\$.ccls. and (align\$4) same (("UV" or (ultra adj2 violet)) near1 adhesiv\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/05 14:26
L19	5	"385"/\$.ccls. and (align\$4) same (("RF" or radio adj2 frequenc\$4) with adhesiv\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/05 14:43

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L20	2	"385"/\$.ccls. and (align\$4) same (("RF" or radio adj2 frequenc\$4) with resin\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/05 14:57
S1	1605	385/92,93.ccls. and @ad<"20040210"	US-PGPUB; USPAT	OR	ON	2005/05/31 16:41
S2	291	S1 and (lens\$4 with (adjust\$4 mov\$5 tun\$4))	US-PGPUB; USPAT	OR	ON	2005/05/31 15:57
S3	177	S1 and (lens\$4 near3 (adjust\$4 mov\$5 tun\$4))	US-PGPUB; USPAT	OR	ON	2005/05/31 15:59
S4	1443	S1 and (optical adj3 fiber)	US-PGPUB; USPAT	OR	ON	2005/05/31 15:59
S5	94	S4 and ((adjust\$4 tun\$4 mov\$5) with (motor\$4 actuat\$5 stator MEMS mechanic\$5))	US-PGPUB; USPAT	OR	ON	2005/05/31 16:41
S6	203	S4 and ((adjust\$4 tun\$4 mov\$5 position\$4) with (motor\$4 actuat\$5 stator MEMS mechanic\$5))	US-PGPUB; USPAT	OR	ON	2005/05/31 16:01
S7	37	S1 and ((optical adj3 fiber) same ((adjust\$4 tun\$4 mov\$5) with (motor\$4 actuat\$5 stator MEMS mechanic\$5)))	US-PGPUB; USPAT	OR	ON	2005/05/31 16:08
S8	50	(385/52.ccls. and @ad<"20040210") and ((optical adj3 fiber) same ((adjust\$4 tun\$4 mov\$5) with (motor\$4 actuat\$5 stator MEMS mechanic\$5)))	US-PGPUB; USPAT	OR	ON	2005/05/31 16:09
S9	45	S8 not S7	US-PGPUB; USPAT	OR	ON	2005/05/31 16:09
S10	2187	385/92,93,52.ccls. and @ad<"20040210"	US-PGPUB; USPAT	OR	ON	2005/05/31 16:41
S11	67	S10 and ((adjust\$4 tun\$4 mov\$5) with (motor\$4 actuat\$5 stator MEMS mechanic\$5) with (lens\$4 detector\$1 las\$4 emitter sensor))	US-PGPUB; USPAT	OR	ON	2005/05/31 17:53
S12	74	S10 and ((adjust\$4 tun\$4 mov\$5) with (motor\$4 actuat\$5 stator MEMS mechanic\$5) with (lens\$4 detector\$1 las\$4 emitter sensor source))	US-PGPUB; USPAT	OR	ON	2005/06/01 15:00

## EAST Search History

S13	25	(US-20030185524-\$ or US-20030219201-\$ or US-20020071638-\$ or US-20050111794-\$ or US-20040052468-\$ or US-20030138220-\$ or US-20030053513-\$).did. or (US-6688783-\$ or US-6321010-\$ or US-6879758-\$ or US-6829400-\$ or US-6754406-\$ or US-6748141-\$ or US-6445858-\$ or US-6893170-\$ or US-6836589-\$ or US-6813420-\$ or US-6785440-\$ or US-6633708-\$ or US-6597843-\$ or US-6597829-\$ or US-6493490-\$ or US-6480651-\$ or US-6253011-\$ or US-6007218-\$). did.	US-PGPUB; USPAT	OR	ON	2005/05/31 17:45
S14	9	S13 and (mov\$ near2 lens\$4)	US-PGPUB; USPAT	OR	ON	2005/06/01 15:00
S15	2	S13 and (mov\$ near2 laser\$4)	US-PGPUB; USPAT	OR	ON	2005/05/31 17:52
S16	13	S10 and ((optical adj3 fiber) same ((adjust\$4 tun\$4 mov\$5) with (motor\$4 actuat\$5 stator MEMS mechanic\$5) with (optical near2 (element device))))	US-PGPUB; USPAT	OR	ON	2005/05/31 17:55
S17	11	"774461"	US-PGPUB; USPAT	OR	ON	2005/06/01 11:22
S18	0	"10774461"	US-PGPUB; USPAT	OR	ON	2005/06/01 11:20
S19	0	"10/774461"	US-PGPUB; USPAT	OR	ON	2005/06/01 11:21
S20	0	(10/774461).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/06/01 11:21
S21	0	("10774461").PN.	US-PGPUB; USPAT	OR	OFF	2005/06/01 11:21
S22	0	(10/774461).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/06/01 11:21
S23	0	10/774461	US-PGPUB; USPAT	OR	ON	2005/06/01 11:21
S24	0	10/774461.an.	US-PGPUB; USPAT	OR	ON	2005/06/01 11:21
S25	0	"10774461".an.	US-PGPUB; USPAT	OR	ON	2005/06/01 11:21
S26	109	matta.in.	US-PGPUB; USPAT	OR	ON	2005/06/01 11:22
S27	734119	matta.in. an optical	US-PGPUB; USPAT	OR	ON	2005/06/01 11:22

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S28	14	matta.in. and optical	US-PGPUB; USPAT	OR	ON	2005/06/01 11:22
S29	0	"a positioning device for moving at least one of the beam"	US-PGPUB; USPAT	OR	ON	2005/06/01 11:32
S30	1	("6688783").PN.	US-PGPUB; USPAT	OR	OFF	2005/06/01 11:52
S31	0	S30 and (vcel)	US-PGPUB; USPAT	OR	ON	2005/06/01 11:52
S32	1	S30 and (vertical)	US-PGPUB; USPAT	OR	ON	2005/06/01 11:53
S33	1	S30 and (laser)	US-PGPUB; USPAT	OR	ON	2005/06/01 11:56
S34	0	S30 and detector	US-PGPUB; USPAT	OR	ON	2005/06/01 11:56
S35	1	S30 and receiv\$4	US-PGPUB; USPAT	OR	ON	2005/06/01 11:57
S36	16	385/90.ccls. and ((adjust\$4 tun\$4 mov\$5) with (motor\$4 actuat\$5 stator MEMS mechanic\$5) with (lens\$4 detector\$1 las\$4 emitter sensor source))	US-PGPUB; USPAT	OR	ON	2005/06/01 16:28
S37	1	("6450702").PN.	US-PGPUB; USPAT	OR	OFF	2005/06/01 16:28
S38	1	S37 and control\$4	US-PGPUB; USPAT	OR	ON	2005/06/01 16:34
S39	0	S37 and (detector)	US-PGPUB; USPAT	OR	ON	2005/06/01 16:37
S40	0	S37 and (weld\$4 and solder\$4)	US-PGPUB; USPAT	OR	ON	2005/06/01 16:37
S41	0	S37 and (weld\$4 solder\$4)	US-PGPUB; USPAT	OR	ON	2005/06/01 16:42
S42	2187	385/92,93,52.ccls. and @ad<"20040210"	US-PGPUB; USPAT	OR	ON	2005/06/01 16:42

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S43	25	(US-20030185524-\$ or US-20030219201-\$ or US-20020071638-\$ or US-20050111794-\$ or US-20040052468-\$ or US-20030138220-\$ or US-20030053513-\$).did. or (US-6688783-\$ or US-6321010-\$ or US-6879758-\$ or US-6829400-\$ or US-6754406-\$ or US-6748141-\$ or US-6445858-\$ or US-6893170-\$ or US-6836589-\$ or US-6813420-\$ or US-6785440-\$ or US-6633708-\$ or US-6597843-\$ or US-6597829-\$ or US-6493490-\$ or US-6480651-\$ or US-6253011-\$ or US-6007218-\$). did.	US-PGPUB; USPAT	OR	ON	2005/06/01 16:42
S44	9	S43 and (mov\$ near2 lens\$4)	US-PGPUB; USPAT	OR	ON	2005/06/01 16:42
S45	2	S43 and (mov\$ near2 laser\$4)	US-PGPUB; USPAT	OR	ON	2005/06/01 16:42
S46	13	S42 and ((optical adj3 fiber) same ((adjust\$4 tun\$4 mov\$5) with (motor\$4 actuat\$5 stator MEMS mechanic\$5) with (optical near2 (element device))))	US-PGPUB; USPAT	OR	ON	2005/06/01 16:42
S47	14	(S43 S44 S45 S46) and (control\$4) and (solder\$4 weld\$5) and (heat\$4)	US-PGPUB; USPAT	OR	ON	2005/06/01 16:59
S48	6	(S43 S44 S45 S46) and (control\$4) and (solder\$4 weld\$5) and (heat\$4) and (UV or ultra adj3 violet)	US-PGPUB; USPAT	OR	ON	2005/06/01 17:01
S49	8	(S43 S44 S45 S46) and (control\$4) and (solder\$4 weld\$5) and (heat\$4) and (UV or ultra adj3 violet or ultraviolet)	US-PGPUB; USPAT	OR	ON	2005/06/01 17:01

## EAST Search History

S50	25	(US-20030185524-\$ or US-20030219201-\$ or US-20020071638-\$ or US-20050111794-\$ or US-20040052468-\$ or US-20030138220-\$ or US-20030053513-\$).did. or (US-6688783-\$ or US-6321010-\$ or US-6879758-\$ or US-6829400-\$ or US-6754406-\$ or US-6748141-\$ or US-6445858-\$ or US-6893170-\$ or US-6836589-\$ or US-6813420-\$ or US-6785440-\$ or US-6633708-\$ or US-6597843-\$ or US-6597829-\$ or US-6493490-\$ or US-6480651-\$ or US-6253011-\$ or US-6007218-\$). did.	US-PGPUB; USPAT	OR	ON	2005/06/02 10:52
S51	9	S50 and (mov\$ near2 lens\$4)	US-PGPUB; USPAT	OR	ON	2005/06/02 12:01
S52	1	("20040174481").PN.	US-PGPUB; USPAT	OR	OFF	2005/06/02 12:01
S53	0	(385/52.ccls. and((mov\$4align\$6)near3(sourc\$4transmit\$4laser\$4emit\$4diode\$2))). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/24 12:24
S54	0	385/52.ccls. and((mov\$4align\$6) near3 (sourc\$4 transmit\$4 laser\$4 emit\$4 diode\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 12:25
S55	228	385/52.ccls. and((mov\$4 align\$6) near3 (sourc\$4 transmit\$4 laser\$4 emit\$4 diode\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 12:25
S56	130	385/52.ccls. and((mov\$4 align\$6) near3 (sourc\$4 transmit\$4 laser\$4 emit\$4 diode\$2)) same (beam\$2 stage\$2 substrat\$2 bloc\$3 bench\$4 tabl\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 12:26
S57	49	385/52.ccls. and((mov\$4 align\$6) near1 (sourc\$4 transmit\$4 laser\$4 emit\$4 diode\$2)) same (beam\$2 stage\$2 substrat\$2 bloc\$3 bench\$4 tabl\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 12:27

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S58	34	385/52.ccls. and((mov\$4 align\$6 near1 (sourc\$4 transmit\$4 laser\$4 emit\$4 diode\$2)) same ( stage\$2 substrat\$2 bloc\$3 bench\$4 tabl\$4)) same (lens\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 12:32
S59	6	385/52.ccls. and((mov\$4 align\$6 near1 (sourc\$4 transmit\$4 laser\$4 emit\$4 diode\$2)) same ( stage\$2 substrat\$2 bloc\$3 bench\$4 tabl\$4)) same (lens\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 12:40
S60	157	385/52,92-93.ccls. and ((mov\$4 align\$6 adjust\$4 position\$4) near1 (sourc\$4 transmit\$4 laser\$4 emit\$4 diode\$2 lens\$2 (photo adj1 detector\$1) detector\$1)) same ( stage\$2 substrat\$2 bloc\$3 bench\$4 tabl\$4) same (lens\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 13:14
S61	22	385/52,92-93.ccls. and ((mov\$4 align\$6 adjust\$4) near1 (sourc\$4 transmit\$4 laser\$4 emit\$4 diode\$2 )) same ( stage\$2 substrat\$2 bloc\$3 bench\$4 tabl\$4) same (lens\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 13:18
S62	596	optical same ((mov\$3 align\$6 adjust\$4) near1 (sourc\$4 transmit\$4 laser\$4 emit\$4 diode\$2 )) same ( stage\$2 substrat\$2 bloc\$3 bench\$4 tabl\$4) same (lens\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 13:20
S63	368	optical same ((mov\$3 align\$6 adjust\$4) adj1 (sourc\$4 transmit\$4 laser\$4 emit\$4 diode\$2 )) same ( stage\$2 substrat\$2 bloc\$3 bench\$4 tabl\$4) same (lens\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 13:22
S64	2	"385"/\$.ccls. and ((mov\$3 align\$6 adjust\$4) adj1 (sourc\$4 transmit\$4 laser\$4 emit\$4 diode\$2 )) same ( stage\$2 substrat\$2 bloc\$3 bench\$4 tabl\$4) same (lens\$4) same (active adj2 alignm\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 13:23
S65	9	"385"/\$.ccls. and ((mov\$3 align\$6 adjust\$4) near3 (sourc\$4 transmit\$4 laser\$4 emit\$4 diode\$2 )) same ( stage\$2 substrat\$2 bloc\$3 bench\$4 tabl\$4 fram\$4) same (lens\$4) same (active adj2 alignm\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 13:24
S66	1	("6,114,794").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/24 15:59

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S67	0	("2005011794").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/24 17:10
S68	1	("20050011794").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/24 17:10
S69	1	("20050111794").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/24 17:10
S70	30	(US-20020071638-\$ or US-20030053513-\$ or US-20030138220-\$ or US-20030185524-\$ or US-20030219201-\$ or US-20040052468-\$ or US-20050111794-\$ or US-20050002615-\$ or US-20020081075-\$).did. or (US-6007218-\$ or US-6253011-\$ or US-6321010-\$ or US-6445858-\$ or US-6450702-\$ or US-6480651-\$ or US-6493490-\$ or US-6597829-\$ or US-6597843-\$ or US-6633708-\$ or US-6688783-\$ or US-6721479-\$ or US-6748141-\$ or US-6754406-\$ or US-6785440-\$ or US-6813420-\$ or US-6829400-\$ or US-6836589-\$ or US-6879758-\$ or US-6893170-\$ or US-6049650-\$).did.	US-PGPUB; USPAT	OR	ON	2005/08/24 17:33
S71	11	S70 and (solder\$3)	US-PGPUB; USPAT	OR	ON	2005/08/24 17:35
S72	11	S70 and (solder\$3 heater\$2)	US-PGPUB; USPAT	OR	ON	2005/08/24 17:36
S73	3	S70 and (solder\$3 and heater\$2)	US-PGPUB; USPAT	OR	ON	2005/08/24 17:37
S74	2	S70 and (solder\$3 same heater\$2)	US-PGPUB; USPAT	OR	ON	2005/08/24 17:39
S75	2	S70 and (solder\$3 same heater\$2) and (control\$2 feedback\$2)	US-PGPUB; USPAT	OR	ON	2005/08/24 17:44
S76	2	S70 and (solder\$3 same heater\$2) and (control\$2 feedback\$2) and heater\$2	US-PGPUB; USPAT	OR	ON	2005/08/24 17:45
S77	2	S70 and (solder\$3 same heater\$2) and (control\$2 feedback\$2) and heater\$2 and film\$2	US-PGPUB; USPAT	OR	ON	2005/08/24 17:47
S78	3	S70 and (solder\$3 and heater\$2) and (control\$2 feedback\$2) and heater\$2 and film\$2	US-PGPUB; USPAT	OR	ON	2005/08/24 17:47

## EAST Search History

S79	30	(US-20020071638-\$ or US-20020081075-\$ or US-20030053513-\$ or US-20030138220-\$ or US-20030185524-\$ or US-20030219201-\$ or US-20040052468-\$ or US-20050002615-\$ or US-20050111794-\$).did. or (US-6007218-\$ or US-6049650-\$ or US-6253011-\$ or US-6321010-\$ or US-6445858-\$ or US-6450702-\$ or US-6480651-\$ or US-6493490-\$ or US-6597829-\$ or US-6597843-\$ or US-6633708-\$ or US-6688783-\$ or US-6721479-\$ or US-6748141-\$ or US-6754406-\$ or US-6785440-\$ or US-6813420-\$ or US-6829400-\$ or US-6836589-\$ or US-6879758-\$ or US-6893170-\$).did.	US-PGPUB; USPAT	OR	ON	2005/08/25 09:07
S80	2	S79 and (position\$2 with memory\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 09:09
S81	0	385/52.ccls. and (position\$2 with memory with circuit\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 09:09
S82	0	385/52.ccls. and (position\$2 with memor\$4 with circuit\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 09:10
S83	2	385/52.ccls. and (alignmen\$2 with memor\$4 with circuit\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 09:11
S84	3	385/52.ccls. and (alignmen\$2 with memor\$4 with (control\$2 feedback\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 09:14

## EAST Search History

S85	13	385/52.ccls. and (alignmen\$2 with circuit\$4 with (control\$2 feedback\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 09:39
S86	8	385/52.ccls. and (alignmen\$2 with memor\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 09:17
S87	16	385/52.ccls. and (position\$2 with memor\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 09:17
S88	16	385/52.ccls. and (position\$3 with memor\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 09:20
S89	35	385/52.ccls. and ((position\$3 alignm\$4) with (fix\$4 hold\$4 maintain\$4) with (memor\$4 circuit\$2 computer\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 09:39
S90	114	385/52.ccls. and ((position\$3 alignm\$4) same (fix\$4 hold\$4 maintain\$4) same (memor\$4 circuit\$2 computer\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 09:40
S91	2	S90 and kennedy.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 09:40
S92	1657	385/92,93.ccls. and @ad<"20040210"	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S93	296	S92 and (lens\$4 with (adjust\$4 mov\$5 tun\$4))	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S94	181	S92 and (lens\$4 near3 (adjust\$4 mov\$5 tun\$4))	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S95	1492	S92 and (optical adj3 fiber)	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04

## EAST Search History

S96	209	S95 and ((adjust\$4 tun\$4 mov\$5 position\$4) with (motor\$4 actuat\$5 stator MEMS mechanic\$5))	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S97	96	S95 and ((adjust\$4 tun\$4 mov\$5) with (motor\$4 actuat\$5 stator MEMS mechanic\$5))	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S98	37	S92 and ((optical adj3 fiber) same ((adjust\$4 tun\$4 mov\$5) with (motor\$4 actuat\$5 stator MEMS mechanic\$5)))	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S99	52	(385/52.ccls. and @ad<"20040210") and ((optical adj3 fiber) same ((adjust\$4 tun\$4 mov\$5) with (motor\$4 actuat\$5 stator MEMS mechanic\$5)))	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S100	47	S99 not S98	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S101	2257	385/92,93,52.ccls. and @ad<"20040210"	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S102	68	S101 and ((adjust\$4 tun\$4 mov\$5) with (motor\$4 actuat\$5 stator MEMS mechanic\$5) with (lens\$4 detector\$1 las\$4 emitter sensor))	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S103	75	S101 and ((adjust\$4 tun\$4 mov\$5) with (motor\$4 actuat\$5 stator MEMS mechanic\$5) with (lens\$4 detector\$1 las\$4 emitter sensor source))	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S104	24	(US-20030185524-\$ or US-20030219201-\$ or US-20020071638-\$ or US-20050111794-\$ or US-20040052468-\$ or US-20030138220-\$ or US-20030053513-\$).did. or (US-6688783-\$ or US-6321010-\$ or US-6879758-\$ or US-6829400-\$ or US-6754406-\$ or US-6748141-\$ or US-6445858-\$ or US-6893170-\$ or US-6836589-\$ or US-6813420-\$ or US-6785440-\$ or US-6633708-\$ or US-6597843-\$ or US-6597829-\$ or US-6493490-\$ or US-6480651-\$ or US-6253011-\$ or US-6007218-\$). did.	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S105	8	S104 and (mov\$ near2 lens\$4)	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S106	2	S104 and (mov\$ near2 laser\$4)	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04

## EAST Search History

S10 7	14	S101 and ((optical adj3 fiber) same ((adjust\$4 tun\$4 mov\$5) with (motor\$4 actuat\$5 stator MEMS mechanic\$5) with (optical near2 (element device))))	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S10 8	0	"10774461"	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S10 9	1	"10/774461"	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S11 0	0	(10/774461).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/08/25 10:04
S11 1	0	("10774461").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/25 10:04
S11 2	0	(10/774461).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/08/25 10:04
S11 3	1	10/774461	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S11 4	0	10/774461.an.	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S11 5	0	"10774461".an.	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S11 6	12	"774461"	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S11 7	110	matta.in.	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S11 8	762073	matta.in. an optical	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S11 9	15	matta.in. and optical	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S12 0	0	"a positioning device for moving at least one of the beam"	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S12 1	1	("6688783").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/25 10:04
S12 2	0	S121 and (vcel)	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S12 3	1	S121 and (vertical)	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S12 4	1	S121 and (laser)	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S12 5	0	S121 and detector	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S12 6	1	S121 and receiv\$4	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04

## EAST Search History

S12 7	16	385/90.ccls. and ((adjust\$4 tun\$4 mov\$5) with (motor\$4 actuat\$5 stator MEMS mechanic\$5) with (lens\$4 detector\$1 las\$4 emitter sensor source))	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S12 8	1	("6450702").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/25 10:04
S12 9	1	S128 and control\$4	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S13 0	0	S128 and (detector)	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S13 1	0	S128 and (weld\$4 and solder\$4)	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S13 2	0	S128 and (weld\$4 solder\$4)	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S13 3	2257	385/92,93,52.ccls. and @ad<"20040210"	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S13 4	24	(US-20030185524-\$ or US-20030219201-\$ or US-20020071638-\$ or US-20050111794-\$ or US-20040052468-\$ or US-20030138220-\$ or US-20030053513-\$).did. or (US-6688783-\$ or US-6321010-\$ or US-6879758-\$ or US-6829400-\$ or US-6754406-\$ or US-6748141-\$ or US-6445858-\$ or US-6893170-\$ or US-6836589-\$ or US-6813420-\$ or US-6785440-\$ or US-6633708-\$ or US-6597843-\$ or US-6597829-\$ or US-6493490-\$ or US-6480651-\$ or US-6253011-\$ or US-6007218-\$). did.	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S13 5	8	S134 and (mov\$ near2 lens\$4)	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S13 6	2	S134 and (mov\$ near2 laser\$4)	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S13 7	14	S133 and ((optical adj3 fiber) same ((adjust\$4 tun\$4 mov\$5) with (motor\$4 actuats\$5 stator MEMS mechanic\$5) with (optical near2 (element device))))	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S13 8	13	(S134 S135 S136 S137) and (control\$4) and (solder\$4 weld\$5) and (heat\$4)	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04

## EAST Search History

S13 9	6	(S134 S135 S136 S137) and (control\$4) and (solder\$4 weld\$5) and (heat\$4) and (UV or ultra adj3 violet)	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S14 0	8	(S134 S135 S136 S137) and (control\$4) and (solder\$4 weld\$5) and (heat\$4) and (UV or ultra adj3 violet or ultraviolet)	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S14 1	24	(US-20030185524-\$ or US-20030219201-\$ or US-20020071638-\$ or US-20050111794-\$ or US-20040052468-\$ or US-20030138220-\$ or US-20030053513-\$).did. or (US-6688783-\$ or US-6321010-\$ or US-6879758-\$ or US-6829400-\$ or US-6754406-\$ or US-6748141-\$ or US-6445858-\$ or US-6893170-\$ or US-6836589-\$ or US-6813420-\$ or US-6785440-\$ or US-6633708-\$ or US-6597843-\$ or US-6597829-\$ or US-6493490-\$ or US-6480651-\$ or US-6253011-\$ or US-6007218-\$). did.	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S14 2	8	S141 and (mov\$ near2 lens\$4)	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S14 3	1	("20040174481").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/25 10:04
S14 4	861	(385/52.ccls. and((mov\$4align\$6)near3(sourc\$4transmit\$4laser\$4emit\$4diode\$2))). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/25 10:04
S14 5	0	385/52.ccls. and((mov\$4align\$6)near3 (sourc\$4 transmit\$4 laser\$4 emit\$4 diode\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 10:04
S14 6	228	385/52.ccls. and((mov\$4 align\$6) near3 (sourc\$4 transmit\$4 laser\$4 emit\$4 diode\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 10:04

## EAST Search History

S14 7	130	385/52.ccls. and((mov\$4 align\$6) near3 (sourc\$4 transmit\$4 laser\$4 emit\$4 diode\$2) same (beam\$2 stage\$2 substrat\$2 bloc\$3 bench\$4 tabl\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 10:04
S14 8	49	385/52.ccls. and((mov\$4 align\$6) near1 (sourc\$4 transmit\$4 laser\$4 emit\$4 diode\$2) same (beam\$2 stage\$2 substrat\$2 bloc\$3 bench\$4 tabl\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 10:04
S14 9	34	385/52.ccls. and((mov\$4 align\$6) near1 (sourc\$4 transmit\$4 laser\$4 emit\$4 diode\$2) same ( stage\$2 substrat\$2 bloc\$3 bench\$4 tabl\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 10:04
S15 0	6	385/52.ccls. and((mov\$4 align\$6) near1 (sourc\$4 transmit\$4 laser\$4 emit\$4 diode\$2) same ( stage\$2 substrat\$2 bloc\$3 bench\$4 tabl\$4) same (lens\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 10:04
S15 1	158	385/52,92-93.ccls. and ((mov\$4 align\$6 adjust\$4 position\$4) near1 (sourc\$4 transmit\$4 laser\$4 emit\$4 diode\$2 lens\$2 (photo adj1 detector\$1) detector\$1)) same ( stage\$2 substrat\$2 bloc\$3 bench\$4 tabl\$4) same (lens\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 10:04
S15 2	23	385/52,92-93.ccls. and ((mov\$4 align\$6 adjust\$4) near1 (sourc\$4 transmit\$4 laser\$4 emit\$4 diode\$2 )) same ( stage\$2 substrat\$2 bloc\$3 bench\$4 tabl\$4) same (lens\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 10:04
S15 3	599	optical same ((mov\$3 align\$6 adjust\$4) near1 (sourc\$4 transmit\$4 laser\$4 emit\$4 diode\$2 )) same ( stage\$2 substrat\$2 bloc\$3 bench\$4 tabl\$4) same (lens\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 10:04
S15 4	370	optical same ((mov\$3 align\$6 adjust\$4) adj1 (sourc\$4 transmit\$4 laser\$4 emit\$4 diode\$2 )) same ( stage\$2 substrat\$2 bloc\$3 bench\$4 tabl\$4) same (lens\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 10:04

## EAST Search History

S15 5	3	"385"/\$.ccls. and ((mov\$3 align\$6 adjust\$4) adj1 (sourc\$4 transmit\$4 laser\$4 emit\$4 diode\$2 )) same ( stage\$2 substrat\$2 bloc\$3 bench\$4 tabl\$4) same (lens\$4) same (active adj2 alignm\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 10:04
S15 6	10	"385"/\$.ccls. and ((mov\$3 align\$6 adjust\$4) near3 (sourc\$4 transmit\$4 laser\$4 emit\$4 diode\$2 )) same ( stage\$2 substrat\$2 bloc\$3 bench\$4 tabl\$4 fram\$4) same (lens\$4) same (active adj2 alignm\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 10:04
S15 7	1	("6,114,794").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/25 10:04
S15 8	0	("2005011794").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/25 10:04
S15 9	1	("20050011794").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/25 10:04
S16 0	1	("20050111794").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/25 10:04
S16 1	30	(US-20020071638-\$ or US-20030053513-\$ or US-20030138220-\$ or US-20030185524-\$ or US-20030219201-\$ or US-20040052468-\$ or US-20050111794-\$ or US-20050002615-\$ or US-20020081075-\$).did. or (US-6007218-\$ or US-6253011-\$ or US-6321010-\$ or US-6445858-\$ or US-6450702-\$ or US-6480651-\$ or US-6493490-\$ or US-6597829-\$ or US-6597843-\$ or US-6633708-\$ or US-6688783-\$ or US-6721479-\$ or US-6748141-\$ or US-6754406-\$ or US-6785440-\$ or US-6813420-\$ or US-6829400-\$ or US-6836589-\$ or US-6879758-\$ or US-6893170-\$ or US-6049650-\$).did.	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S16 2	11	S161 and (solder\$3)	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S16 3	11	S161 and (solder\$3 heater\$2)	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S16 4	3	S161 and (solder\$3 and heater\$2)	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S16 5	2	S161 and (solder\$3 same heater\$2)	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04

## EAST Search History

S16 6	2	S161 and (solder\$3 same heater\$2) and (control\$2 feedback\$2)	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S16 7	2	S161 and (solder\$3 same heater\$2) and (control\$2 feedback\$2) and heater\$2	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S16 8	2	S161 and (solder\$3 same heater\$2) and (control\$2 feedback\$2) and heater\$2 and film\$2	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04
S16 9	3	S161 and (solder\$3 and heater\$2) and (control\$2 feedback\$2) and heater\$2 and film\$2	US-PGPUB; USPAT	OR	ON	2005/08/25 10:04